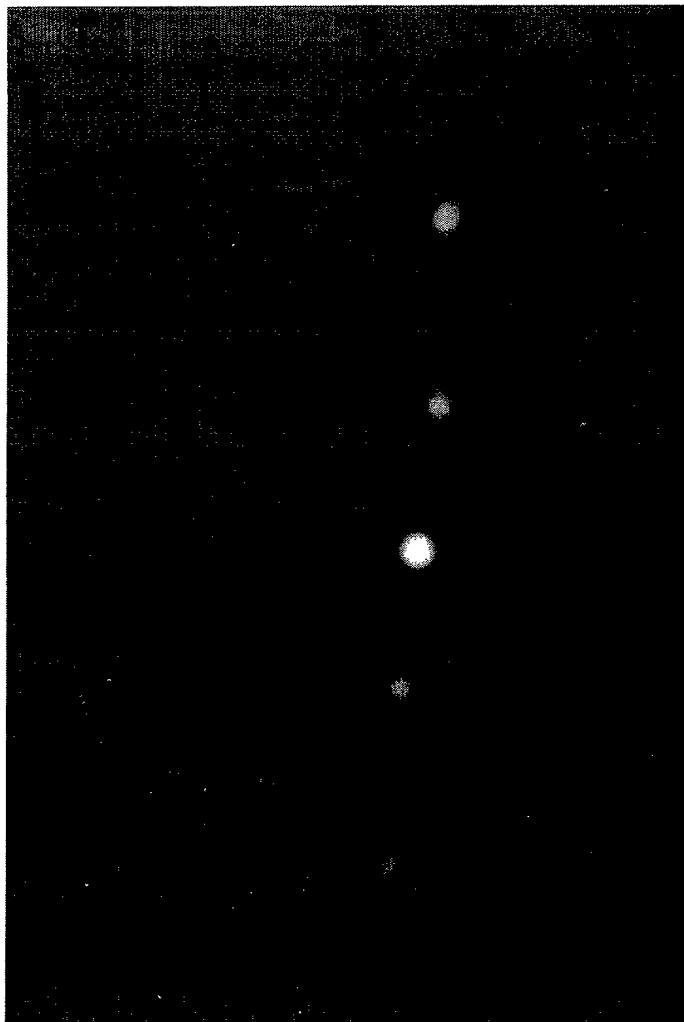


CYCLE
ADDED:

1	2	3	4	5	6
A	C	G	T	A	C



Sample 1:
 3'

P'
P

 A G C T G T ... 5'
 5'

P

 T C

Sample 2:
 3'

P'
P

 G T C T A T ... 5'
 5'

P

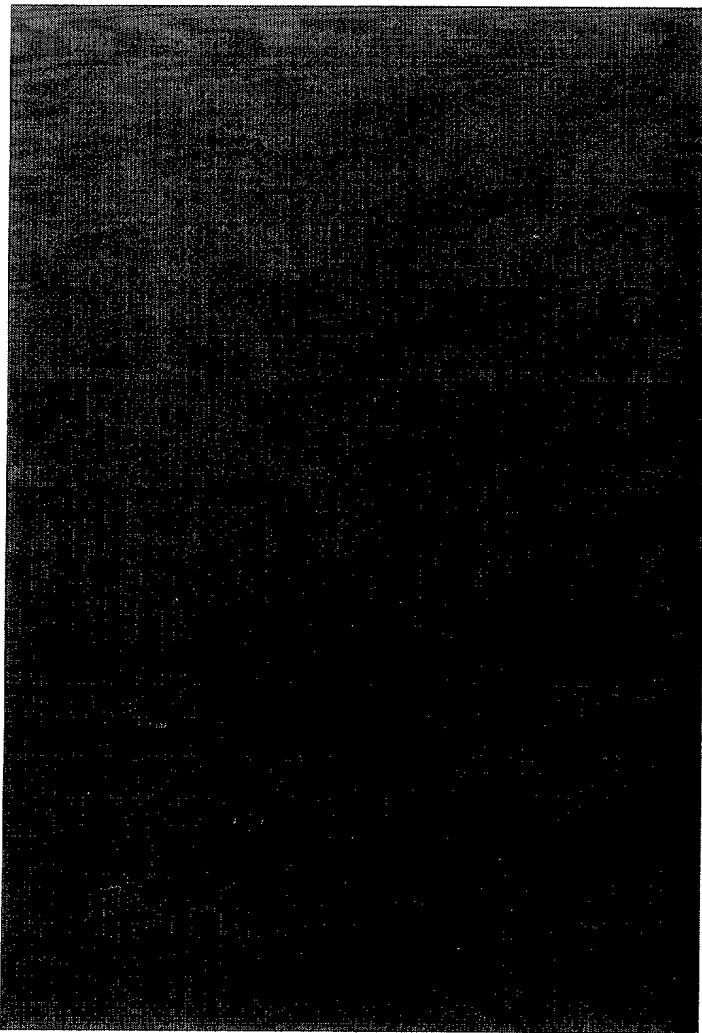
 C A

FIG. 1

2/10

CYCLE
ADDED:

1	2	3	4	5	6	7	8
A	C	G	T	A	C	G	T



1

2

Sample 1:
3'

P'
P

 5'

A
T
C
G

 ... 5'
Sample 2:
3'

P'
P

 5'

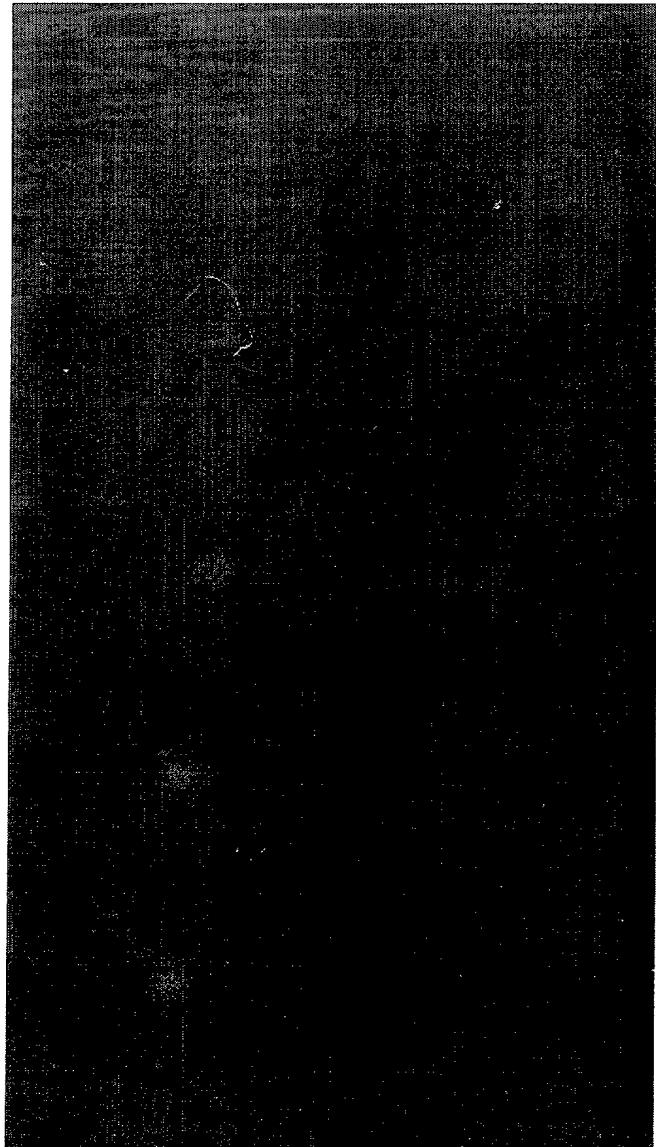
G
T
C
A
G

 ... 5'

FIG. 2

3/10

CYCLE
ADDED:
1 A
2 C
3 G
4 T
5 A
6 C
7 G
8 T
9 A
10 C



Sample 1:	3'	P'	A	G	C	T	G	T	...	5'
	5'	P	T	C	G	A	C			
Sample 2:	3'	P'	G	T	C	T	A	T	...	5'
	5'	P	C	A	G	A				

FIG. 3

4/10

12
T

11
G

10
C

9
A

8
T

7
G

6
C

5
A

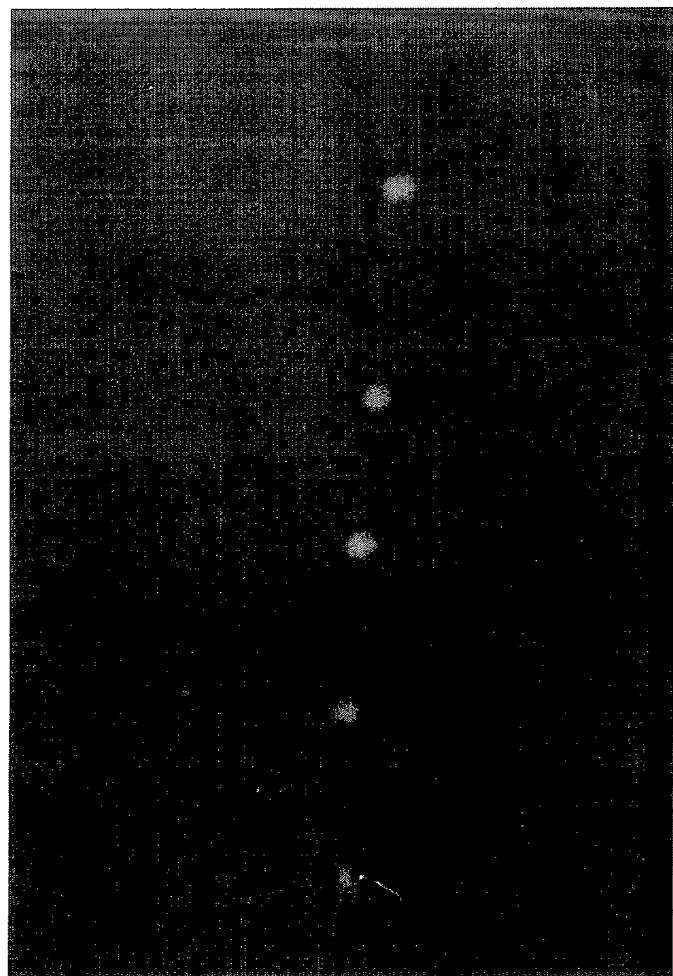
4
T

3
G

2
C

1
A

CYCLE
ADDED:



Sample 1:
3'
5'

A
G
C
T
G
T
...5'

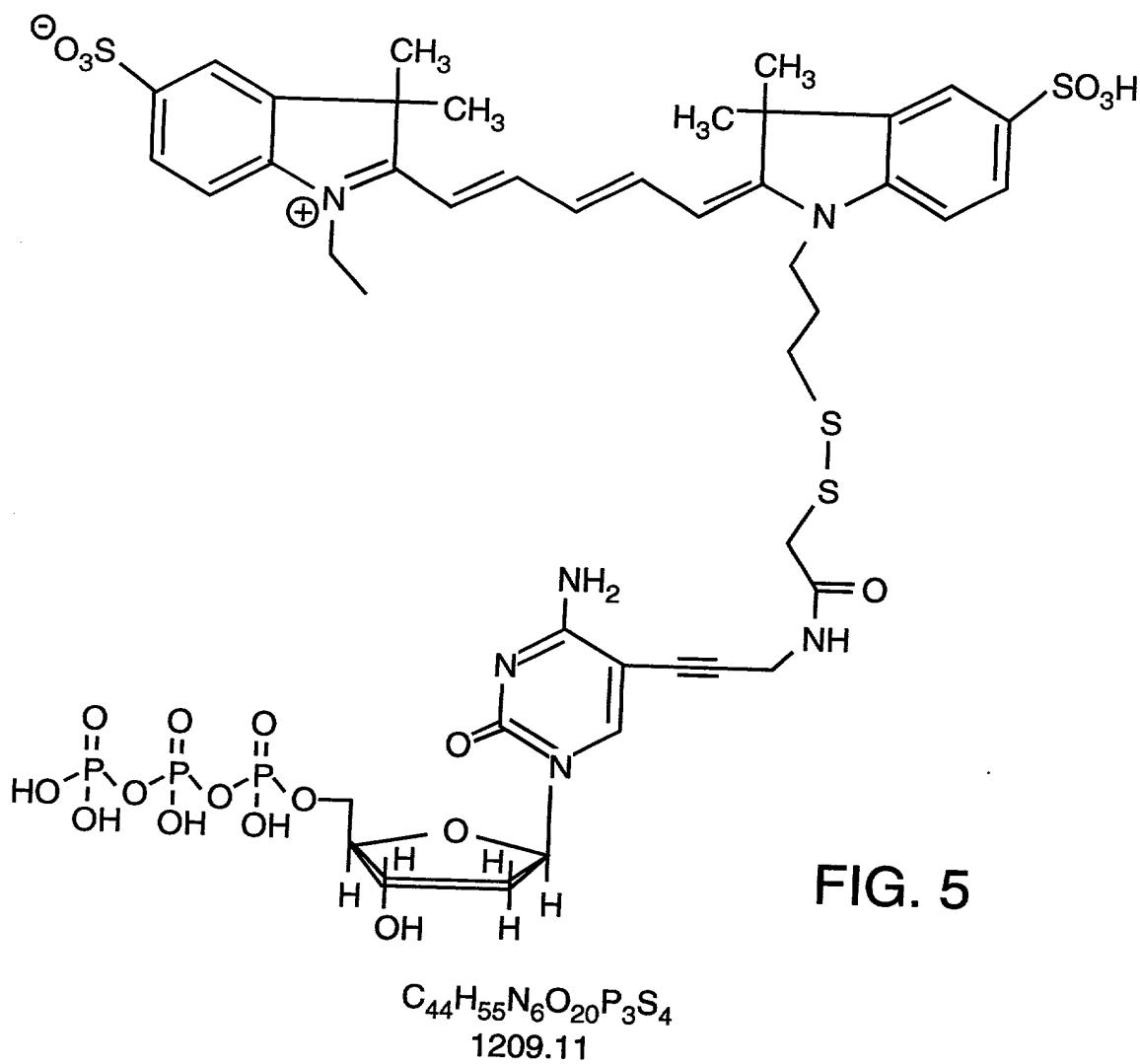
P
P
P
P
P
P
P
P

Sample 2:
3'
5'

G
T
C
T
A
T
...5'

C
A
G
A
T
T
T

FIG. 4



6/10

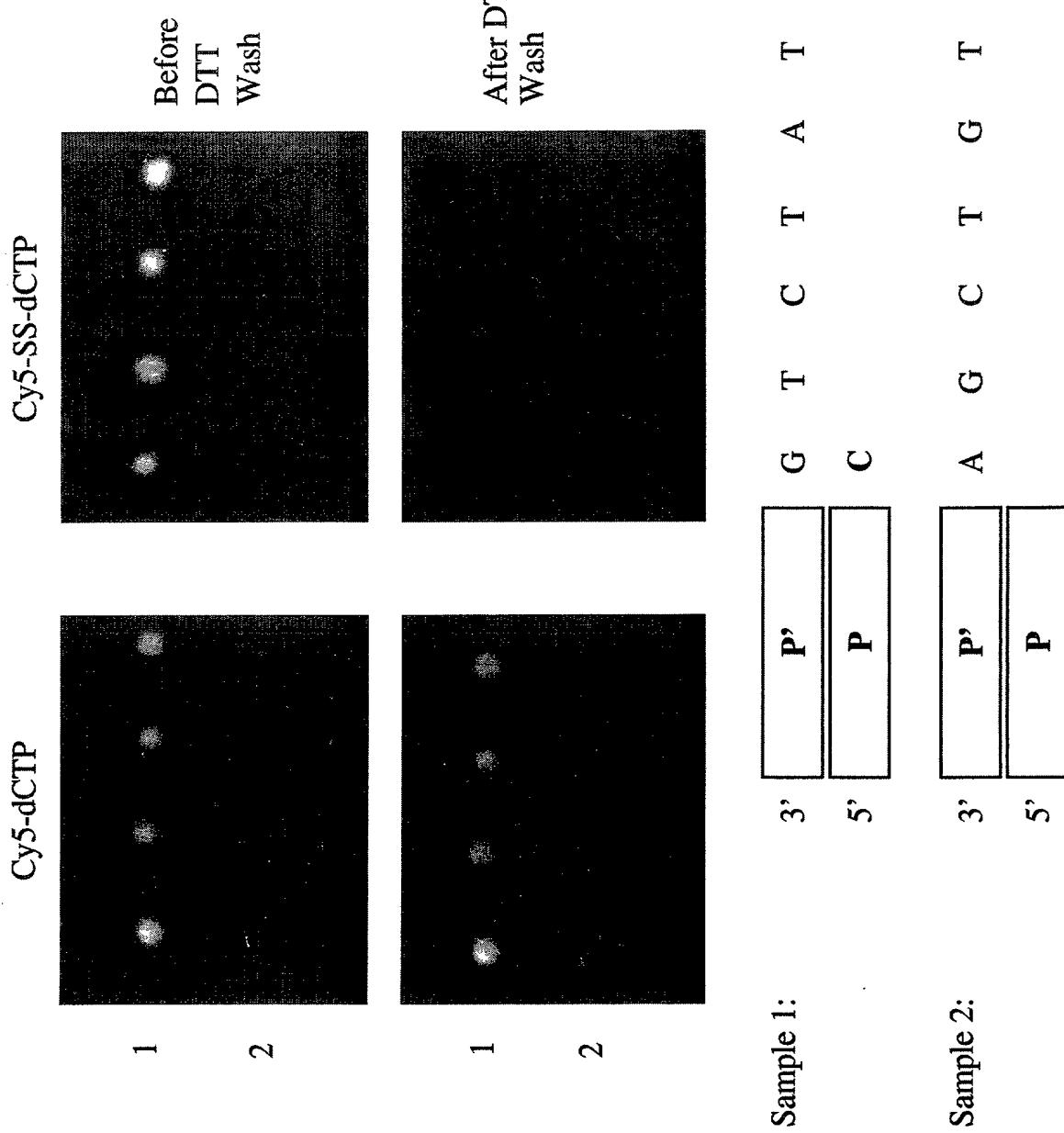


FIG. 6

7/10

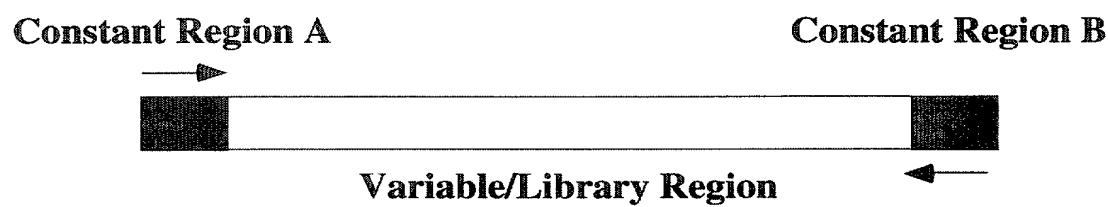


FIG. 7

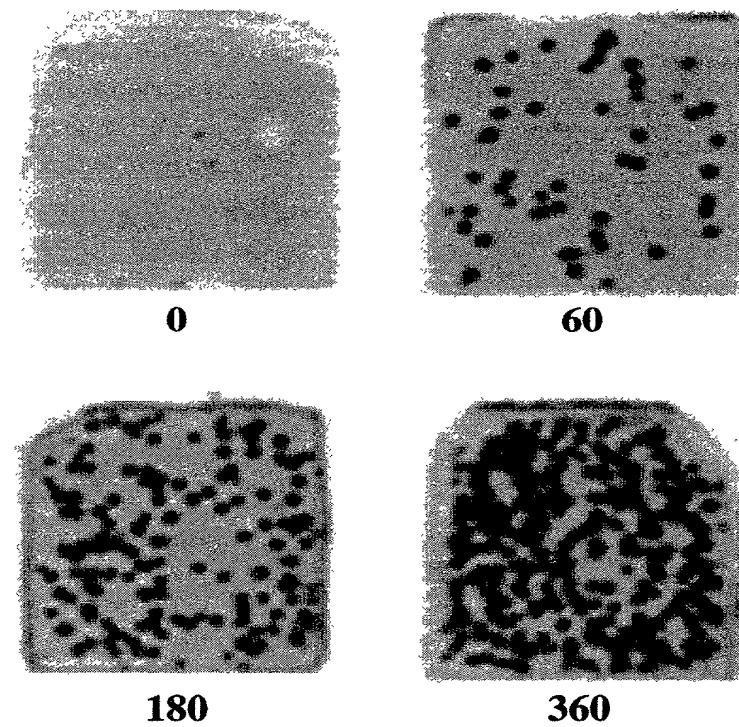


FIG. 8A

8/10

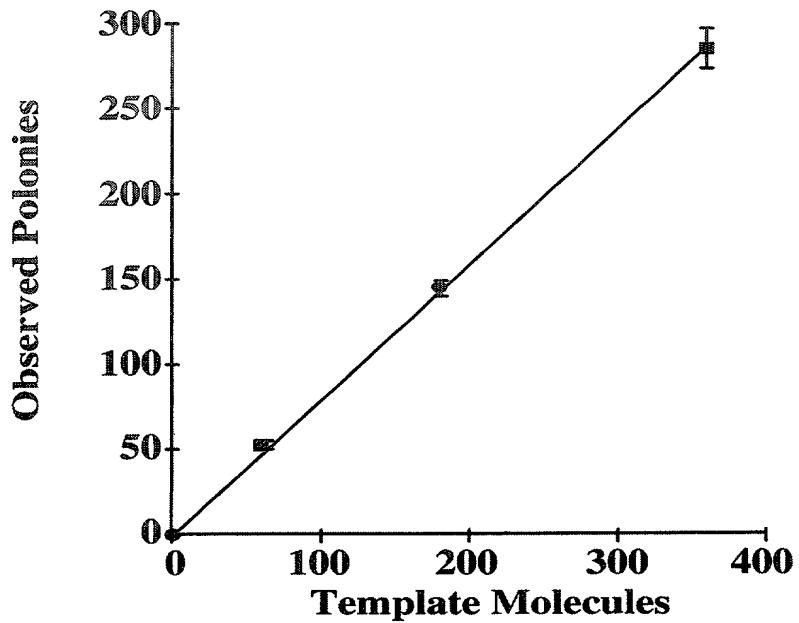


FIG. 8B

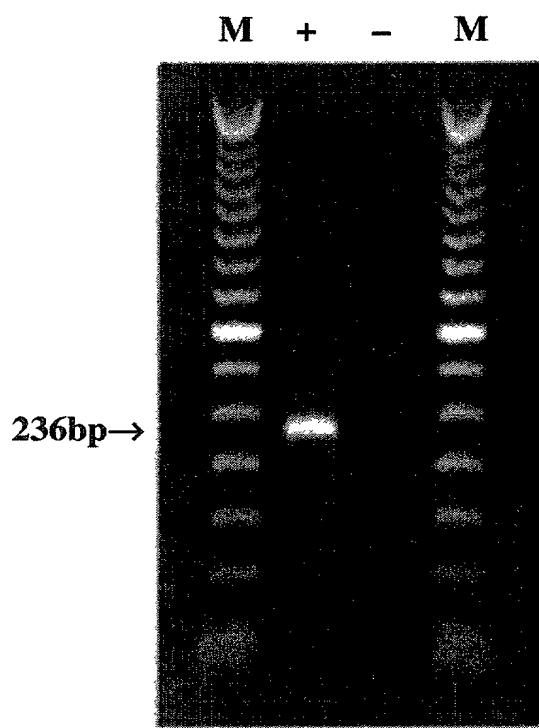


FIG. 8C

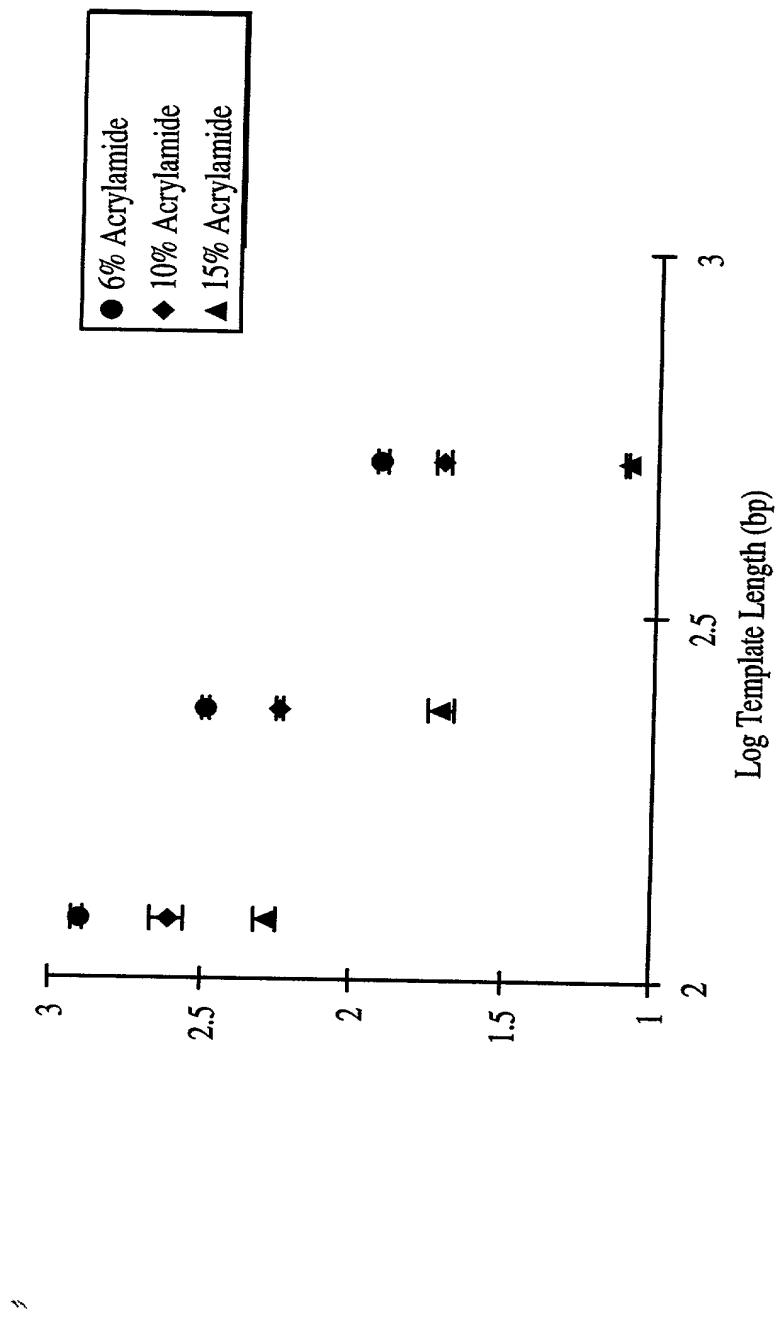


FIG. 9A

10/10

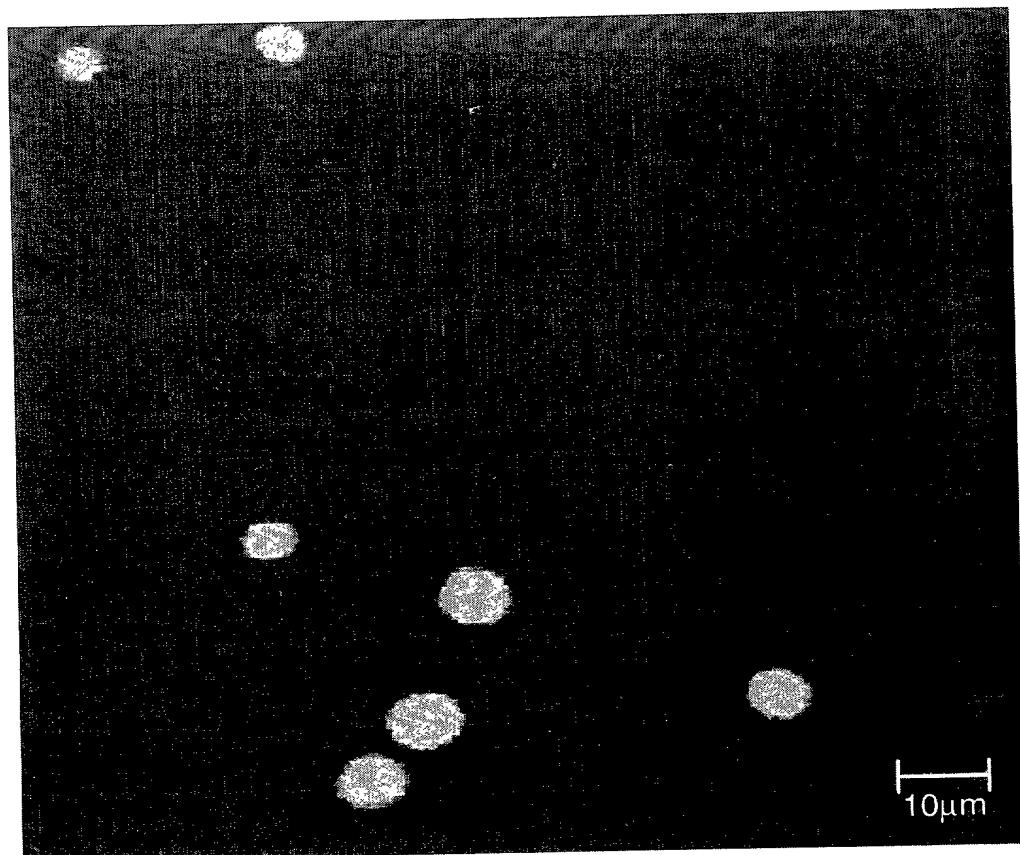


FIG. 9B

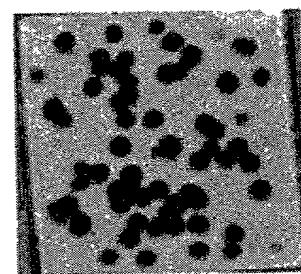


FIG. 10A

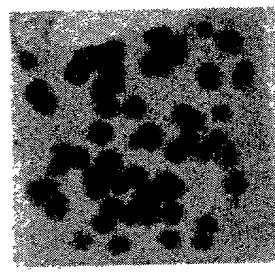


FIG. 10B